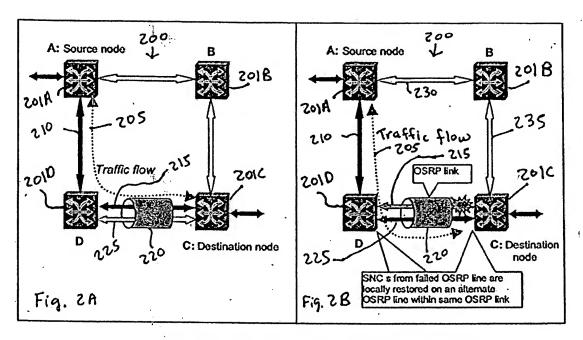


Mesh Restoration after a failed OSRP line

Figure 1 Conventional Method



: Local Span Mesh Restoration after a failed OSRP line

Figure Z

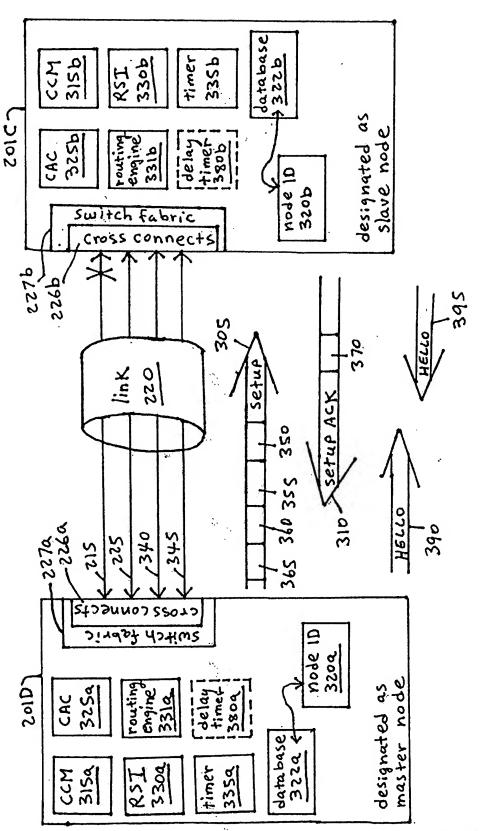


Figure 3

dect www.die copy

line 340 Configuration -protection type 430c -timeslot 435c -SNC mapping 440c -flag 445c -flag 445c -protection information -protection type 430d -fimeslot	4554 - SNc mapping 440d - flag 445d
database 322a content 406a line 215 line 215 line 3 406a type 430a type 430a type 430a -flag 445a -flag 445a	4
local line con figuration information line 215 information line 345 information (learned through the HELLO procedure) line 225 information line 340 information line 345 information	215, 225, 340, 3 figuration info 5 446 a, 446b, 44
node Lonfiguration information for local node 401D node 1D—320q flag—420q flag—420q for adjacent node 401C (lear ned through the HBLLO hode 1D—320b flag—120b flag—420b	4066 409b Con

:

Figure 4

Start

500 L

505

detect a failed line in a link between a first node (master node) and a second node (slave node), where the failed line is associated with a sub network connection (SNC). The slave node in the lizes an

map the SNC to an alternate line in the link

18

send a setup message from the master node to the slave node

らな

the master node initializes a setup acknowledgement timer and deletes the previous cross connections in the switch fabric, and creates cross connections in the switch fabric, due to the selected alternate line

522

the slave node deletes the previous cross connections in the switch fabric, and creates cross connections in the switch fabric, due to the selected alternate line, after the slave node receives the setup message from the master node. The slave node also cancels the inactivity timer after receiving the setup message.

send a setup acknowledgement message from the slave node to the master node

530

the master node receives the setup acknowledgement message and deletes the cross connections associated with the SNC (SNCs) with a failure cause code and indicates a successful LSMR for the SNC (SNCs) with a success cause code. The master node also cancels the setup acknowledgement timer after receiving the setup acknowledgement message.

end

Figure S